This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-2.   (Previously Cancelled)

3.   (Cancelled Herein)

4.   (Previously Cancelled)

5.-20. (Cancelled Herein)

21.   (Previously Amended) A method of ranking the immune response of a test animal within a population of animals under stress comprising:

   (a) immunizing the animals with at least one antigen at least once before the onset of the stress;

   (b) measuring the antibody response of the animals to the at least one antigen at least once before the onset of the stress and at least once during the stress; and

   (c) calculating a mathematical index of the antibody response, wherein the mathematical index is: y = primary antibody response, wherein

       (i) y is the immune response; and

       (ii) the primary response is the difference in antibody quantity at a first time point before the onset of stress and a second time point during the stress, wherein the animal is immunized at the first time point before the onset of stress;

wherein a test animal having a y value greater than about one standard deviation above the average of the y value for the population is a high immune responder.

22.-24. (Cancelled Herein)

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25.-52. (Previously Cancelled)